BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

NO:BBMP/EE/YNK.D/EPMT-01/2020-21 Dt:02-5-2020

APPROVED TENDER SCHEDULE –'B'

Item 51

Name of Work :-Improvements to cross roads at Escort colony Engineering layout vidyanikethan school road in ward no -03.

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri R RANGASWAMY	
				Rate	Rate in Words
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P. No-27, I. No-5.33)	Sqm	23.63	114.64	One Hundred Fourteen Paise SixtyFour Only
2	KSRRB 300: Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 0.5 m. excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)	Cum	12.60	221.74	Two Hundred TwentyOne Paise SeventyFour Only
3	KSRB M2100-10: Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89 cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centring complete as per specifications. (P. No-222, I. No-27.18)	Cum	5.12	5584.58	Five Thousand Five Hundred EightyFour Paise FiftyEight Only

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4	Providing and Fixing pre cast solid cement concrete kerb stones made out of 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour, hire charges of Machinery, loading, unloading, laid and lift, transportation etc., complete. As per the direction of Engineer incharge. (P. No-27, I. No-5.30 of P&IWTD SR 2018-19)	Nos	284.00	445.45	Four Hundred FourtyFive Paise FourtyFive Only
5	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6 (P. No-180, i. No-24.1 of PW, P&IWTD SR 2018-19)	Sqm	89.60	87.34	EightySeven Paise ThirtyFour Only
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick (P. No-27, I. No-5.31.1 of PW, P&IWTD SR 2018-19)	Sqm	26.25	764.26	Seven Hundred SixtyFour Paise TwentySix Only
7	KSRRB M300-14: Excavation for roadwork in all types of soil by Mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, graded and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301. (P. No-143, I. No-19.14)	Cum	426.18	65.86	SixtyFive Paise EightySix Only
8	KSRRB 300-58: Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per Specifications. MORTH / Chapter 3 (P. No-147, IO. No-19.64)	Sqm	962.80	6.55	Six Paise FiftyFive Only

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9	Construction of granular sub-base Grading V as Sub-Base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in mechanical mix plant at OMC. Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page No. 153. Item No.20.5)	Cum	162.42	2054.77	Two Thousand FiftyFour Paise SeventySeven Only
10	KSRRB M400-17: Providing, Laying, Spreading and Compacting crushed stone aggregates of granite/ trap/ Basalt to wet mix macadam specifications including premixing the material with water at OMC in Mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. (Page No. 155. Item No. 20.18)	Cum	216.56	2061.32	Two Thousand SixtyOne Paise ThirtyTwo Only
11	KSRRB M500-6: Providing and Supplying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg /sqm using mechanical means complete as per specifications Clause 502 of MORTH Clause 502 of MORTH V revision (P.No-158, Item No. 21.6)	Sqm	1082.80	29.48	TwentyNine Paise FourtyEight Only
12	KSRRB M500-17: Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete in all respects complete as per specifications. MORTH Specification No,507. Using 100/120 TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen (Page No. 160. I.No-21.17.6)	Cum	54.14	6795.36	Six Thousand Seven Hundred NinetyFive Paise ThirtySix Only

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13	KSRRB 500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) @0.25kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (Page No. 158. Item No. 21.7)	Cum	1562.80	13.10	Thirteen Paise Ten Only
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. Do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (Page No. 171. Item NO.21.78.12)	Cum	46.88	7986.52	Seven Thousand Nine Hundred EightySix Paise FiftyTwo Only
15	KSRRB M800-13: Road marking with Hot Applied 'Thermoplastic' Compound with Reflectorizing Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The Finished surface to be level , Uniform and free from streaks and holes complete as per Specifications. MORTH Specification NO.803 (P.No-182, I.No-24.15)	Sqm	56.60	468.38	Four Hundred SixtyEight Paise ThirtyEight Only

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16	KSRRB M800-35: Supply and installation of moulded Shank Raised Pavement Markers made of Polycarbonate and ABS (Acrylonitrile Butadiene Styrene) Moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III D 11.06.1997. The height, width and length shall not exceed 50mm, 100mm and 102mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height nor less than 30mm) from the body is to be a minimum value of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin-based adhesive as per manufacturer's recommendation and complete as directed by the engineer. (P. No-187, I. No-24.41)	Nos	40.00	367.94	Three Hundred SixtySeven Paise NinetyFour Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.